

ABSTRACT OF THE DISCLOSURE

An electroconductive grease-filled bearing is a rolling bearing comprising an inner race 11 and an outer race 12, both of the races being coaxially provided, a plurality of steel balls 13 radially being retained between track surfaces of the races, the bearing rotatably supporting the edge of heating roll 6a in the fixing section of an electrostatic transfer copying machine, fixed to the inner periphery of inner race 11, an electroconductive grease to be filled between the track surfaces comprising a fluorocarbon oil as a base oil and graphite (or together with polytetrafluoroethylene) as a thickening agent. The electroconductive grease has a distinguished electroconductance so as to effectively discharge the static electricity, and has a distinguished heat-resistant durability even at elevated temperatures, and also prevents revolution failure due to the increased torque caused by an excessive lowering in the grease consistency, while maintaining the good electroconductance. The bearing is most suitable for rotatably supporting a photosensitive drum or a heating roll or a pressing-heating roll in the fixing section in an electrostatic transfer copying machine, and is also effective for stabilization of printed images.